

CLAIMS

1. Insulating tape for wrapping an electrical conductor with a fabric which is used as the supporting body with warp threads which are routed in the direction of winding, consisting of a first yarn, and with woof threads of a second yarn which is finer than the first yarn and with a dielectrically high quality material which is applied to a fabric, characterized in that the fabric is made coarse-meshed, and that the warp threads have a thread density such that the weight per unit area of the fabric corresponds to the weight per unit area of a fine-mesh fabric which contains warp and woof threads of the second, finer yarn.
2. Insulating tape as claimed in claim 1, in which a first and second yarn are made of the same material, wherein the thread weights from the first to the second yarn acts roughly like 2 to 1.
3. Insulating tape as claimed in claim 2, in which the first and second yarn are made of glass fibers, wherein at a weight per unit area of the fabric between 20 and 28 g/cm² the thread density of the warp threads is 10 to 20 per cm.
4. Insulating tape as claimed in claim 3, wherein the insulating

tape can be exposed to an edge tear initiation force between 12 and 18 N.

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An insulating tape for spooling an electric conductor is provided with a woven fabric serving as support body. Material having a high-quality dielectricity is mounted on the woven fabric which is wide-meshed and contains warp threads made of a relatively coarse yarn and weft threads made of a finer yarn. The warp threads and the weft threads are guided in the direction of winding. The warp threads are provided with little fibre density. This results in a surface weight that matches the surface weight of a fine-meshed woven fabric containing warp and weft threads made of finer yarn. A greater edge breaking strength is obtained in relation to the fine-meshed woven fabric by the courser yarn which is guided with less fibre density and is used in the warp threads. The insulating tape has a lower content of woven fabric, good dielectric properties and great edge breaking strength at the same time and good windability at high winding speed.